

TOOELE RIVER BASIN

10172791 SETTLEMENT CREEK ABOVE RESERVOIR NEAR TOOELE, UT

LOCATION.--Lat 40°30'20", long 112°17'23", in SE^{1/4}NW^{1/4}NW^{1/4}, sec. 3, T. 4 S., R. 4 W., Tooele County, Hydrologic Unit 16020304, on right bank 0.2 mi upstream from road crossing at upstream end of reservoir.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,380 ft above sea level, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67 ft³/s June 15, 1995, gage height, 4.41 ft, maximum gage height, 4.61 ft June 5, 1995; minimum discharge, 0.13 ft³/s Aug. 19, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26 ft³/s May 24, gage height, 3.91 ft, minimum daily discharge, 0.59 ft³/s Dec. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.4	1.5	.65	.93	.93	2.1	3.0	13	5.3	2.2	1.6
2	1.5	1.4	1.4	.73	.93	1.0	2.1	3.2	13	5.0	2.2	1.6
3	1.5	1.3	1.5	.80	.93	1.0	2.1	3.3	14	4.7	2.1	1.7
4	1.6	1.3	1.5	.74	.93	1.0	2.1	3.7	15	4.6	2.3	1.6
5	1.6	1.4	1.6	.74	.96	1.0	2.3	4.2	15	4.4	2.1	1.6
6	1.7	1.4	1.5	.74	.94	1.1	2.3	4.6	15	4.1	2.1	1.6
7	1.7	1.4	1.5	.74	.99	1.1	2.3	4.7	15	4.0	2.0	2.0
8	1.9	1.4	1.5	.72	1.0	1.1	2.3	5.0	15	3.9	2.0	1.6
9	1.6	1.4	1.6	.74	1.0	1.1	2.5	5.2	14	3.7	2.0	1.5
10	1.5	1.4	1.6	.78	1.0	1.1	2.5	5.5	14	3.6	2.6	1.4
11	1.7	1.4	1.4	.83	1.0	1.2	2.3	6.2	13	3.6	2.6	1.4
12	1.6	1.4	1.1	.83	1.1	1.2	2.3	7.3	12	3.8	2.4	1.4
13	1.6	1.4	.94	.83	1.1	1.0	2.3	8.9	12	3.5	2.3	1.3
14	1.5	1.4	.80	.83	1.0	1.0	2.2	11	12	3.4	2.2	1.2
15	1.5	1.3	.73	.83	1.0	1.1	2.2	14	11	3.3	2.1	1.4
16	1.6	1.3	.65	.83	1.0	1.2	2.2	17	10	3.2	2.2	1.4
17	1.5	1.3	.65	.83	1.0	1.2	2.2	19	9.8	3.1	2.3	1.3
18	1.5	1.3	.65	.83	1.1	1.2	2.2	21	8.6	3.1	2.2	1.3
19	1.7	1.3	.65	.83	1.0	1.2	2.2	22	8.3	2.8	2.2	1.6
20	1.6	1.3	.59	.83	1.0	1.3	2.1	22	8.0	2.7	2.1	1.4
21	1.4	1.3	.64	.91	1.0	1.3	2.2	24	7.7	2.7	2.0	1.4
22	1.4	1.7	.65	.93	1.0	1.3	2.1	24	7.4	2.6	1.9	1.4
23	1.4	1.5	.65	.93	.96	1.4	2.3	24	7.4	2.9	1.9	1.3
24	1.4	1.5	.65	.93	.93	1.4	2.4	24	7.2	2.8	1.9	1.3
25	1.4	1.5	.65	.93	.94	1.4	2.3	20	6.9	2.6	1.9	1.3
26	1.4	1.5	.65	.93	.93	1.5	2.3	18	6.5	2.5	1.9	1.3
27	1.4	1.5	.65	.93	1.0	1.5	2.3	17	6.3	2.4	1.9	1.3
28	1.4	1.5	.65	.93	.99	1.6	2.3	15	6.0	2.5	1.8	1.3
29	1.4	1.6	.65	.93	--	1.7	2.5	14	5.7	2.4	1.8	1.3
30	1.4	1.5	.65	.93	--	1.8	2.5	14	5.4	2.4	1.7	1.3
31	1.4	--	.65	.93	--	1.9	--	13	--	2.3	1.7	--
TOTAL	47.3	42.3	30.50	25.89	27.66	38.83	68.0	397.8	314.2	103.9	64.6	43.1
MEAN	1.53	1.41	.98	.84	.99	1.25	2.27	12.8	10.5	3.35	2.08	1.44
MAX	1.9	1.7	1.6	.93	1.1	1.9	2.5	24	15	5.3	2.6	2.0
MIN	1.4	1.3	.59	.65	.93	.93	2.1	3.0	5.4	2.3	1.7	1.2
AC-FT	94	84	60	51	55	77	135	789	623	206	128	85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

MEAN	1.24	1.06	.87	.78	.79	.94	1.33	7.43	9.98	3.98	1.94	1.24
(WY)	1996	1996	1996	1996	1996	1996	1.61	2.27	15.6	31.9	14.2	4.81
MIN	.73	.62	.47	.45	.49	.62	.68	2.15	1.93	.63	.63	.52
(WY)	1991	1993	1993	1993	1993	1991	1991	1990	1992	1992	1992	1991

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1989 - 1997

ANNUAL TOTAL	1073.70		1204.08									
ANNUAL MEAN		2.93		3.30						2.64		
HIGHEST ANNUAL MEAN										6.12		
LOWEST ANNUAL MEAN										1.05		
HIGHEST DAILY MEAN	15	May 19		24	May 21				59	Jun 16 1995		
LOWEST DAILY MEAN	.59	Dec 20		.59	Dec 20				.21	Sep 27 1991		
ANNUAL SEVEN-DAY MINIMUM	.64	Dec 16		.64	Dec 16				.24	Jan 28 1992		
ANNUAL RUNOFF (AC-FT)	2130		2390						1910			
10 PERCENT EXCEEDS	8.0		8.7							5.4		
50 PERCENT EXCEEDS	1.7			1.6						1.1		
90 PERCENT EXCEEDS	1.4		.83							.61		